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| **Study** | **Technique** | **Tissue** | **BPD Definition** |
| Ahmed | MassSpec | Oral | Resp. Supp at 36 weeks GA |
| Ambalavanan | GWAS | Blood | Resp. Supp at 36 weeks GA |
| Bhattacharya | Microarray | Lung | Resp. Supp at 36 weeks GA |
| Bhattacharya | RNAseq | Blood | Resp Supp at 3,6,9,12 months |
| Da paepe | Microarray | Lung | Ventilator dependent for entire lifespan |
| Dai | ExomeSeq | Blood | Rest Supp on 1st day of life, <32 weeks GA |
| Fulton | Microarray | Tracheal aspirates | Resp. Supp at 36 weeks GA |
| Gong | Microarray | Blood | Resp. Supp at 36 weeks GA |
| Hadchoul | GWAS | UCB | Resp. Supp at 36 weeks GA |
| Hamvas | ExomeSeq | Saliva | Resp. Supp at 36 weeks GA |
| Li | ExomeSeq | Blood | Resp. Supp at 36 weeks GA |
| Luo | ExomeSeq | Oral | Resp. Supp at 36 weeks GA |
| Oji Mmuo | RNAseq | Tracheal aspirates | Resp. Supp at 36 weeks GA |
| Pietrzyk | Microarray | Blood | Resp Supp and birth <32 weeks GA |
| Siddiah | RNAseq | Tracheal aspirates | Resp. Supp at 36 weeks GA |
| Torgerson | GWAS | N/A | Resp. Supp at 36 weeks GA |
| Tsotakos | RNAseq | Cultured cells - A549 | NA - cultured cells |
| Wang | GWAS | Blood | Resp. Supp at 36 weeks GA |
| Windhorst | Microarray | UCB | O2 >21% for 28 days by 36 weeks |
| Yuon Chou | RNAseq | UCB | Resp. Supp at 36 weeks GA |
| Zasada | MassSpec | UCB | Resp. Supp at 36 weeks GA |

**Table 1: Characteristics of studies included in Human BPD MAIC analysis**. Techniques are outlined in supplementary table X. UCB = Umbilical Cord Blood. GA = Gestational age. Resp. Supp = Respiratory support. Oral = Oral mucosa.